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PRODUCTION OF NEW FERTILIZERS IN KEDZIERZYN

In 1953, installations of several divisions of a large modern nitrate fertilizer factory -- one of three sections of the large chemical combine, Zaklady Przemslu Azotowego w Kedzierzynie (Kedzierzyn Nitrogen Plants) -- will be ready for a test operation. A few months later, the factory will produce the first lot of high-grade artificial fertilizers.

Construction is most advanced in the generator division of the factory. Water gas, the basic raw material for the production of nitrate fertilizers, will be produced here.

Equipment and apparatus from the USSR, the German Democratic Republic, and Czechoslovakia are being installed in other divisions, including the fixation, desulfurizing, and processing divisions, of the factory.

As the time draws nearer for the activation of the factories in Kedzierzyn, the crew and the technicians are faced not only with problems connected with the final phase of construction and erection of machines and equipment, but also with problems connected with the complicated processes of manufacturing various kinds of fertilizers. These factories in Kedzierzyn will produce fertilizers, including new kinds theretofore not produced adapted to the needs and requirements of agriculture.

"Saletrzak", a mixture of ammonium nitrate and calcium carbonate, will be produced in granular form, thereby making it much easier to use than ordinary "saletrzak." The granular "saletrzak" comes in granules of several millimeters in size, covered with lime or chalk powder to prevent lumping during storage.

For the first time in Poland, the Zaklady Przemyslu Azotowego w Kedzierzynie will begin production of granular ammonium nitrate based on the experience and standards of the USSR. This high-nitrogen-content fertilizer will be an important factor in increasing the yield from the soil.

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Liquid nitrogenous fertilizers are among the new fertilizers to be produced in Kedzierzyn. Considering the necessity of shipping liquid fertilizers in large quantities and of using special equipment for sprinkling the fields, these fertilizers will be assigned mainly to large farms, such as the PGR (Panstwowe Gospodarstwa Rolne, State Farms) and producers' cooperatives. The production of fertilizers in liquid form costs much less than production in powdered form.

The factories in Kedzierzyn will also produce urea, a high-grade fertilizer in crystal form, with a higher nitrogen content than any other fertilizer.

Special courses are being prepared to train personnel to operate and service the installations and complicated chemical apparatus.

During the first stage of activation, the Zaklady Przemyslu Azotowego w Kedzierzynie will produce twice as much fertilizers as the Zaklad Azotowy w Tarnowie (Tarnow Nitrogen Plant) and the Zaklad Azotowy w Chorzowie (Chorzow Nitrogen Plant) combined. After full activation, the production will further increase by 300 percent.

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